



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 10, 2017

Ms. Melinda Bowman
State Regulatory and Label Lead
Registration Manager – Bifenazate
Arysta Life Science
15401 Weston Parkway, Suite 150
Cary, NC 27513

Subject: Label Amendment – Agency-initiated Label Amendments
Product Name: Prevamite®
EPA Registration Number: 400-572
Application Date: July 1, 2016
Decision Number: 519460

Dear Ms. Bowman:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Jacquelyn Herrick by phone at 703-347-0559, or via email at herrick.jacquelyn@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Elyssa Arnold". The signature is written in a cursive style with a large initial "E".

Elyssa Arnold, Acting Product Manager 01
Invertebrate & Vertebrate Branch 3
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

RESTRICTED USE PESTICIDE

Toxic to Fish, Mammals, and Aquatic Organisms

For retail sale to and use only by certified applicators, or persons under their direct supervision, and only for those uses covered by the certified applicator's certification.

Prevamite®

GROUP	6	ACARICIDE
GROUP	20D	ACARICIDE

Net Contents:

MITICIDE/INSECTICIDE

Active Ingredient: (% by weight)

bifenazate: hydrazine carboxylic acid, 2-(4-methoxy-[1,1'-biphenyl]-3-yl) 1-methylethyl ester (CAS No. 149877-41-8)	43.2%*
Abamectin (CAS No. 71751-41-2)	2.2%**
Other Ingredients:	54.6%
Total	100.0%

*Contains 4.0 lbs. bifenazate per gallon.

**Contains 0.20 lbs. abamectin per gallon.

KEEP OUT OF REACH OF CHILDREN

WARNING • AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

FIRST AID

IF SWALLOWED • Call a poison control center or doctor immediately for treatment advice.

- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to by the poison control center or doctor.
- Do not give anything to an unconscious person.

IF INHALED • Move person to fresh air.

- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.
- Call a poison control center or doctor for treatment advice.

EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

24 HOUR EMERGENCY PHONE 1- 866-928-0789

For PRODUCT USE INFORMATION: Call 1-866-761-9397

NOTE TO PHYSICIAN

Early signs of intoxication include dilation of pupils, muscular incoordination, and muscular tremors. Toxicity following accidental ingestion of this product can be minimized by early administration of chemical adsorbents (e.g., activated charcoal).

If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parental fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels and proper respiratory functionality) as indicated by clinical signs, symptoms, and measurements.

In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since abamectin is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic abamectin exposure.

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EPA EST. NO.
003/0xxxxxx

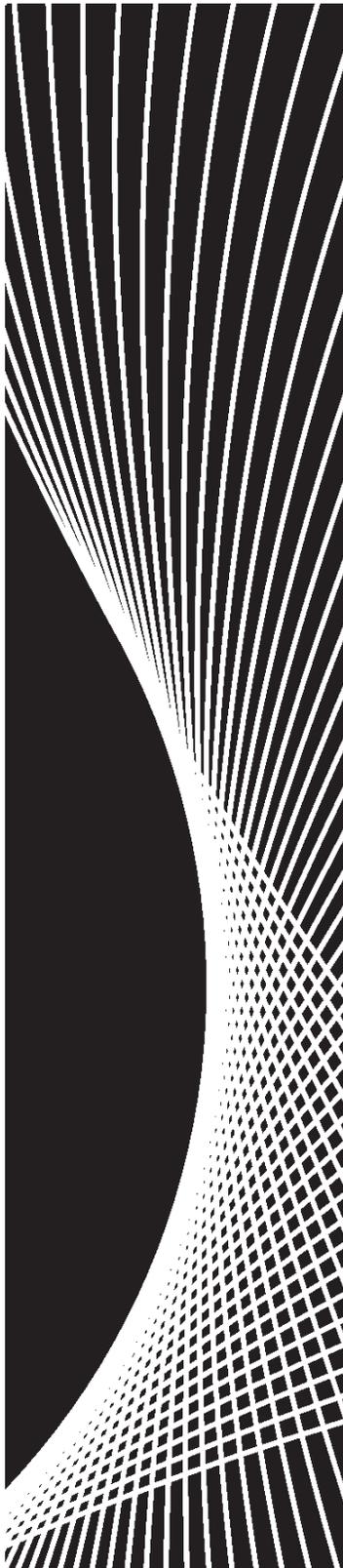
Manufactured for: MacDermid Agricultural Solutions, Inc.
245 Freight Street
Waterbury, CT 06702-1818
[Text in brackets is optional]

[Batch Code will be placed on the container]

ACCEPTED

03/10/2017

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 400-572



**PRECAUTIONARY STATEMENTS HAZARDS TO
HUMANS AND DOMESTIC ANIMALS
WARNING/AVISO**

May be fatal if swallowed. Harmful if inhaled. Avoid breathing spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and Other Handlers Must Wear:

- Long-sleeved shirt and long pants,
- Shoes plus socks, and
- For mixing and loading activities, wear an apron and chemical-resistant gloves made of barrier laminate, butyl rubber (≥ 14 mils), nitrile rubber (≥ 14 mils), neoprene rubber (≥ 14 mils), polyvinyl chloride (≥ 14 mils), or Viton (≥ 14 mils).

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then, wash thoroughly and change into clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing them. As soon as possible, wash thoroughly and change clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, estuarine/marine invertebrates, fish and wildlife. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from target areas. Do not contaminate water when disposing of equipment wash water or rinsate.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are foraging the treatment area.

Use of this product may pose a risk to threatened and endangered species of fish, amphibians, crustaceans (including fresh water shrimp), and insects. All use of this product in the state of California should comply with the recommendations of the California Endangered Species Project. Before using this product in California, consult with your county agriculture commissioner to determine use limitations that apply in your area.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

**DIRECTIONS FOR USE
RESTRICTED USE PESTICIDE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product through any type of irrigation system. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), restricted-entry interval and notification to workers (as applicable). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. Exception: For grape girdling, cane turning and tying of grapes, do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 5 days.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over short pants and short-sleeved shirt
- Chemical-resistant gloves – made of any waterproof material
- Chemical-resistant shoes and socks

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONARY STATEMENTS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR MITE/INSECT CONTROL, AND/OR ILLEGAL RESIDUES.

USE INFORMATION

PREVAMITE is a suspension concentrate (flowable) that will control the pests on the crops listed on this label when it is applied according to the DIRECTIONS FOR USE. Thorough coverage of foliage is essential for good mite and insect control.

NOTE:

- **Adjuvant Requirement:** To avoid illegal crop residues, Prevamite **must always** be mixed with a non-phytotoxic non-ionic activator type wetting, spreading and/or penetrating adjuvant or horticultural spray oil (not a dormant oil) adjuvant as specified in the **Directions For Use** for each crop on this label. Non-ionic activator type wetting, spreading and/or penetrating adjuvants include non-ionic surfactants (NIS) with at least 75% surface active agent and crop oil concentrates (COC), vegetable oil concentrates (VOC), methylated seed/vegetable oils (MSO) and organosilicones (OS) with at least 15% emulsifiers/surfactants and include blends of these non-ionic activator type adjuvants. Adjuvants must be compatible with Prevamite and must be used at concentrations specified on the adjuvant label directions for use unless more specific directions are provided in the **Directions For Use** for individual crops on this label. **Do not use binder or sticker type adjuvants.**

- **Phytotoxicity:** The user should pre-test any proposed mixtures with **PREVAMITE** to ensure the physical compatibility and lack of phytotoxic effects.

Spray Drift Precautions

- Do not apply within 25 ft. of lakes, reservoirs, rivers, permanent streams, marshes, potholes, natural ponds, estuaries, or commercial fish farm ponds.
- All application equipment must be properly calibrated, using appropriate carriers, and maintained.
- Use the largest droplet size consistent with pest control. Minimize the formation of very small droplets by selecting appropriate nozzles and avoiding excessive spray boom pressure. To minimize the formation of very small droplets, select the appropriate nozzle and do not use excessive spray boom pressure.
- Make applications when wind velocity favors on-target product deposition (approximately 3 to 10 mph). Do not apply when wind velocity approaches or exceeds 15 mph. Do not apply when wind direction is toward the aquatic area to reduce risk of exposure to aquatic areas. Do not cultivate within 25 ft. of the aquatic area to allow growth of a vegetative filter strip.
- Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore increase the likelihood of spray drifting to aquatic areas. Do not spray during conditions of low humidity and/or high temperature.
- Do not make applications during temperature inversions. Inversions are characterized by stable air and temperatures that

increase with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

Resistance Management

PREVAMITE contains the active ingredients abamectin and bifenazate. Because of the inherent risks of pests developing resistance to any product, it is strongly advised that **PREVAMITE** be used in a sound resistance management program. Treatment may not be effective against labeled pests if insect or mite-tolerant strains develop. When applying **PREVAMITE** to plants that are hosts of labeled pests with multiple generations per crop per year, use resistance management practices.

Resistance management practices include, but are not limited to:

- rotating **PREVAMITE** with other products with different modes of action,
- not treating successive generations with products based on abamectin or other Group 6 acaricides, or the bifenazate group, or Group 20D acaricides.
- always applying this product at the rates prescribed by this label,
- using non-chemical alternatives such as beneficial arthropods,
- ensuring thorough spray coverage to all foliage.

For additional information regarding the implementation of these or other resistance management practices, consult your local agricultural advisor or company representative.

CROP USE DIRECTIONS

GRAPES

PREVAMITE may only be applied using ground sprayers calibrated to deliver sufficient water for thorough coverage. Thorough coverage is essential for good spider mite and insect control. Do not spray alternate rows. **PREVAMITE** must be applied to both sides of each row for maximum coverage.

Pest	Amount PREVAMITE per acre	Instructions
Pacific spider mite Two-spotted spider mite Willamette spider mite European red mite Strawberry spider mite Western grapeleaf skeletonizer Western grape leafhopper Variegated leafhopper	9 - 12 fl. oz. Plus a non ionic surfactant	<ul style="list-style-type: none"> • Note: To avoid illegal residues PREVAMITE must be applied in combination with a nonionic activator type wetting, spreading and/or penetrating surfactant. Spreading and penetrating surfactants can improve insect control. Do not use binder or sticker-type surfactants. Although PREVAMITE has been tested in combination with a nonionic surfactant for safety to grapes, it is impossible to test on all grape varieties under the variety of conditions that may cause crop injury. Therefore, when using PREVAMITE in combination with a nonionic surfactant, carefully follow the Directions for Use and Precautions on the nonionic surfactant label and in official spray guides. • Spider mites: Apply when mites first appear but before motiles exceed 5 per leaf. • Western grapeleaf skeletonizer: Apply when larvae are first observed. For optimum control, apply shortly after egg hatch. • Western grape leaf-hopper and Variegated leafhopper: Apply when pest is first observed. Provides contact knock-down control only.

Use Restrictions-

- **PHI:** Do not apply within 28 days of harvest.
- **Application Method:** Ground application only.
- **Amount of Water:** Do not apply in less than 50 gals. of water/A.
- **Number of Applications:** Do not make more than 1 application per year.
- **Grazing:** Do not allow livestock to graze in treated vineyards.
- **Maximum Amount per Year:** Do not apply more than 0.038lbs. a.i./A of any abamectin containing product in any year.

NOTES -

- **PREVAMITE** contains two active ingredients, bifenazate and abamectin.
- Use of **PREVAMITE** precludes use of any other bifenazate-containing compound, such as **ACRAMITE®**, on the crop in the same year.
- Do not use **PREVAMITE** on any crop where **ACRAMITE** has already been applied in the crop season. **PREVAMITE** can be used in conjunction with other abamectin-containing products in the same growing season.
- A single application of **PREVAMITE** up to 12 fl. oz./A may be preceded or followed by a single application of any other abamectin containing product up to 16 fl. oz. (0.019lbs. a.i.)/A. Allow at least 21 days between applications.

ORNAMENTALS

PREVAMITE provides knockdown and long residual control of a wide variety of mite pests listed below on the following plants:

- All ornamental plants, including bedding plants, flowering plants, foliage plants, ornamental bulb crops, perennials and trees and shrubs.
- All non-bearing fruit trees which will not bear fruit for a minimum of 12 months.

PREVAMITE can be used in the following areas where these plants are grown and/or maintained in containers or in the ground:

- Greenhouses and shadehouses
- Nurseries, including Christmas tree / conifer plantations
- Landscapes
- Interiorscapes

Target Pests	Application Rates Fl. Ozs. Per 100 Gals. Water	Application Instructions
<u>Mites:</u> Bamboo spider mite Broad mite Bud mite Carmine spider mite Citrus red mite Clover mite Cyclamen mite European red mite Lewis mite Pacific spider mite Rust mite Southern red mite Spruce spider mite Strawberry mite Two-spotted spider mite	3 - 4	Apply in sufficient volume of water to ensure thorough coverage of the foliage. Actual spray volume will vary depending on the size of the plants being treated. Do not exceed spray volumes of 300 gals./A. Begin applications as soon as mites appear. One additional application can be made after 7 days or as necessary to maintain control. Do not make more than two (2) applications per crop per year.
<u>Leafminers:</u> Boxwood Liriomyza Suppression only: Aphids Thrips Whiteflies	6	Apply in sufficient volume of water to ensure thorough coverage of the foliage. Actual spray volume will vary depending on the size of the plants being treated. Do not exceed spray volumes of 200 gals./A. For control of mining larvae, apply when adults are beginning to lay eggs on the new foliage. For suppression of pest populations, young immatures must be contacted by the spray. One additional application can be made after 7 days or as necessary to maintain control. Do not make more than two (2) applications per crop per year.

USE RESTRICTIONS

- Do not use in citrus nurseries.
- Ground application only; do not apply aerially

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in a tightly closed container in a cool, dry place under lock and key. Post as a pesticide storage area. Always store pesticides in the original container. Store away from food, pet food, feed, seed, fertilizers, and veterinary supplies. Place liquid formulations on lower shelves and dryer formulations above.

PESTICIDE DISPOSAL: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING: Nonrefillable containers 5 gallons or less. Do not reuse or refill this container. Triple rinse (or equivalent) as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake container for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

If pressure rinsing: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Then offer container for recycling or reconditioning, or puncture and dispose of container in a sanitary landfill or by incineration. Do not burn, unless allowed by state and local ordinances.

Recycling: Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer or contact the Ag Container Recycling Council (ACRC) at 1-877-952-2272 (toll free) or www.acrecycle.org.

IMPORTANT NOTICE—Sellers warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product, contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and to the extent consistent with applicable law, the buyer assumes the risk of any such use.

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